

2021-2022 Imperial Valley Late Harvest Official Variety Trial Results - Location 1

Cooperator - Gary and Brett Mamer

Entry	Entry Name	Extractable Sugar per Ton	Extractable Sugar per Acre	Gross Sugar per Acre	Tons per Acre	Percent Sugar	Extractable Sugar Percent	Percent Purity	Brei N	Percent Tare	Percent Emergence*	Final Stand Beets/100**	Percent Bolters***	Percent Rot†
1	Hilleshog HIL2421	233.9	8595	11073	38.0	15.1	11.7	85.7	50.2	1.0	33.1	234	0.3	43.0
2	SV 2997	232.9	19090	23976	82.2	14.6	11.7	87.6	61.5	1.0	36.5	233	0.8	10.1
3	SV 1927	249.9	18508	22980	74.3	15.5	12.5	87.8	80.0	0.6	34.7	229	0.3	17.4
4	SV 1915	249.7	18678	23320	75.3	15.5	12.5	87.7	64.1	0.7	36.7	231	0.0	12.4
5	SV 1913N	245.2	10896	13822	42.7	15.5	12.3	86.9	62.0	0.9	35.7	212	0.8	30.9
6	BTS 520N	243.2	12574	15663	50.5	15.2	12.2	87.6	64.4	1.1	38.4	233	0.0	29.6
7	BTS 5294	250.8	13052	16150	51.9	15.5	12.6	88.0	64.2	0.8	41.1	232	0.0	29.4
8	BTS 5281	251.2	17914	22072	71.4	15.5	12.6	88.4	49.5	1.5	37.3	232	0.0	16.8
9	BTS 5255	261.4	22562	27495	85.9	16.0	13.1	88.8	48.0	1.0	37.5	232	0.0	0.4
10	BTS 5239	275.4	20835	25420	76.1	16.8	13.8	88.8	78.2	1.6	35.8	232	0.1	6.1
11	BTS 511N	265.8	23015	27889	86.9	16.1	13.3	89.2	45.9	1.4	34.0	229	0.0	1.5
12	BTS 5104	245.7	19766	24578	80.5	15.3	12.3	87.8	59.3	1.2	38.1	229	0.0	10.7
13	BTS 5775	243.7	19140	23809	76.7	15.2	12.2	87.7	78.1	0.8	43.3	228	0.0	10.1
14	BTS 5678	259.9	18974	23250	73.1	15.9	13.0	88.5	65.2	1.4	36.6	229	0.0	9.0
15	BTS 5460	256.9	21819	27007	84.9	15.9	12.9	88.0	52.8	1.0	41.7	230	0.4	2.7
Trial mean		251.0	17694.5	21900.4	70.0	15.6	12.6	87.9	61.6	1.1	37.4	229.7	0.2	15.3
CV (%)		3.9	8.6	8.3	8.6	2.6	3.9	1.2	22.6	24.3	19.9	1.1	264.3	30.1
Residual		118.3	3162898.6	4509254.1	46.6	0.2	0.3	1.4	233.3	0.1	66.9	8.3	0.2	27.3
LSD (0.05)		10.7	1742.9	2081.0	6.7	0.4	0.5	1.2	15.0	0.3	8.0	2.8	0.4	5.1

*Emergence counts taken prior to thinning and converted to a percent.

**Final stand counts taken after thinning and converted to beets per 100' of row.

***Bolters were counted on a per plot basis and the percent was calculated by dividing the bolters present by the total number of beets per plot.

†Rot beets were counted on a per plot basis prior to harvest and the percent was calculated by dividing the rot beets present by the total number of beets per plot.

Harvest Notes:

Prior to harvest, all beets with visual rot symptoms were removed from the row, thus preventing rot beets from being harvested. Yields are calculated with good beets remaining in each plot.

Plant Date: October 13, 2021

Harvest Date: July 7, 2022

Plot size: 2 row, 30" rows.